The Pneumatic-Tyre K-124 Crane With Hydraulic Controls A004/A001

\$/193/60/000/010/011/015 \$ A004/A001

Table:

The following technical data are given: longitudinal chassis base - 3,400 mm; height during transportation - 4,047 mm; radius described by the swivel part - 3,700 mm; total length (during transportation) - 14,000 mm; maximum width - 3,700 mm; track gage - 2.9 m; maximum pressure on each wheel (during operation) - 8.21 tons; maximum hill-climbing capacity - 10; traveling speed when being towed - 15 km/hour; load-lifting speeds - 4.4 - 67.5 m/min; load-lowering speeds - 2.13 - 32.85 m/min; traveling speeds - 0.985 - 10 km/hour; lifting of boom - 300 - 475 sec; crane weight (with 10-m boom) - 21.5 tons. The author claims that great moment of load (50.4 ton · meter) combined with a low weight (weight-tomoment of load ratio = 0.427 t·m) and the lowest installed engine power (55 hp).

Card 4/4

CHERNETSKIY, G. I.; SIPITINER, Yu.B.

Die for bending collars. Mashinostroitel' no.11:19 B '60.
(MIRA 13:10)
(Dies (Metalworking))

84810

12.2500

S/100/60/000/008/002/002 A053/A029

AUTHOR:

Chernetskiy, G.I., Engineer

TITE:

New 40-Ton Diesel-Electric Crane on Pneumatic Tires

PERIODICAL:

Mekhanizatsiya stroitel'stva, 1960, Nr. 8, pp. 27-28

The Plant imeni Yanvarskogo Vosstaniya has turned out a trial mo-TEXT: del of a new Diesel-electric crane on pneumatic tires, K-401 (K-401) having a lifting capacity of 40 tons. The power source is a 100-hp Diesel engine KAM -100 (KDM-100) and an a-c generator. The boom, which is equipped with an extension, permits a 5-ton load to be hoisted to a height of 30 m corresponding to a 6-story building. The K-401 has a reduced wheel base capable of passing through a gate 4 m wide. The 2-speed gear-box in conjunction with a 2 speed a-c motor and an electromagnetic clutch gives a wide range of speeds from 1.2 to 14 km/h. The gear-box has a built-in differential. The hydraulic system of the crane is equipped with a discharge valve which in case of emergency can disconnect the system and return the oil without pressure to the reservoir. The hydraulic system is controlled by standard slide valves. The electric drive on a-c has several advantages over the d-c drive; cost of electric equipment has been reduced by 30 %; the same applies to weight and dimensions. The electric motor can be Card 1/2

84810

S/100/60/000/008/002/002 A053/A029

New 40-Tons Diesel-Electric Crane on Pneumatic Tires

fed from an outside source of 3-phase current. The crane can also be used as movable power station. To eliminate certain feeds selenium rectifiers which in turn furnish d-c required for the 2-phase electric motor during brake action; this action is required to reduce the speed when lowering load and putting it down gently. The crane is fitted with a single-motor driving mechanism consisting of an asynchronous short-circuited 2-speed electric motor of series A. The moment of rotation of the motor is transmitted to the wheels of the crane by means of an asynchronous electromagnetic clutch and a 2-speed gear-box. The clutch consits of the inductor (driving part) and the armature (driven part). The former, made of cast steel, has the exciting winding and is rigidly connected to the shaft of the motor. Over the inductor the armature is mounted which is mechanically connected to the transmission gear-box. The revolving speed of the armature is controlled by changing the exciting current. The article gives the technical characteristics of the K-401 crane. There are 1 photograph and 1 table.

Card 2/2

SIPITINES, Yu.B., insh.; CHERNETSKIY, G. I.; inzh.

The 40-ton K-401 crane equipped with pneumatic tires. Stro1. 1 dor. mashinostr. 5 no.10:12-13 0 '60. (MIRA 13:10) (Cranes, derricks, etc.)

SIPITINER, Yu.B., inzh.; CHERNETSKIY, G.I., inzh.

New K-255 crane with a lifting capacity of 25 tons. Stroi. i dor. mash. 6 no.2:7 F '61. (MIRA 14:5)

CHERNETSKIY, G.I., inzh.

Hydraulic crane with pneumatic tires. Mekh. stroi. 18 no.2:22 F (MIRA 14:2)

1. Zavod im. Yanvarskogo vosstaniya.
(Granes, derricks, etc.—Hydraulic drive)

CHERNETS KIY IVP

Upper Cretaceous deposits in the northern region of the Dnieper-Donets Lowland between the Desna and Psel Rivers. Geol. shur. 16 no.2:30-43 *56. (MLRA 9:9)

(Dnieper Lowland--Geology, Stratigraphic)
(Donets Basin--Geology, Stratigraphic)

CHERNETSKIY, I.S., elektromonter

1.

Automatic machine for cutting and stacking green bricks. Suggested by I.S.Chernetskii. Rats.i izobr.predl.v stroi. no.14: 39-41 60. (MIRA 13:6)

1. Moskovskiy eksperimental nyy keramicheskiy zavod, Moskva, Pervyy akademicheskiy perculok, d. 18. (Brickmaking machinery)

CHERNETSKIY, K.V.

Electrokumographic study of the contractile function of the myo-cardium in rheumatism. Terap.arkh. 34 no.2:47-51 162.

(MIRA 15:3)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Nesterov) II Moskovskogo meditsinskogo
instituta imeni N.I. Pirogova.

(RHEUMATIC HEART DISEASE) (ELECTROKYMOGRAPHY)
(HEART BEAT)

CHERNETSKIY, K.V.

Electrokymogram of the cardiac ventricles. Kardiologija 3 no.3:73-79 My-Je 163. (MIRA 16:9)

1. Iz fakul'tetskoy teraperticheskoy kliniki (direktor.- deystvitel'nyy chlen ANN SSER prof. A.I.Nesterov) II Noskovskogo meditsinskogo instituta imeni N.I.Pirogova. (ELECTROKYMOGRAPHY)

CHERNETSKIY, N.M. (Ehar'kov)

Hew textbook for a teacher ("Collection of construction problems in projective drawing" by I.A.Pol'skii. Heviewed by N.M. Chernetskii). Mat.v shkole no.4:89-90 Jl-Ag '60. (MIRA 13:9) (Mathematics-Study and teaching)

(Pol'skii, I.A.)

SOV/91-59-2-25/33

AUTHORS:

Trubilov, M. A., Candidate of Technical Sciences,

Chernetskiy N. S., Engineer

TITLE:

New Methods of Starting Up Steam Turbines

(Novyye metody puska parovykh turbin)

PERIODICAL:

Energetik, 1959, Nr 2, pp 33 - 37 (USSR)

ABSTRACT:

The authors describe the so-called "blochnyy" (block) methods of starting up steam turbines, introduced by the southern section of ORGRES and tested on VK-120-2 steam turbines by VTI and LMZ. Basically, the new methods differ from the conventional method in that all steam cut-off members of the steam pipes from boiler to turbine are open and all drainage outlets, with exception of drainage connected with the condenser, are closed when the block (boiler-turbine) is being started. Application of new

Card 1/2

SOV/91-59-2-25/33

New Methods of Starting Up Steam Turbines

methods of starting-up turbines results in a considerable reduction in starting time and precludes the development of high thermal stresses in the turbine's structure. There are three graphs and 1 Soviet reference.

Card 2/2

TRUBILOV, M.A., kand. tekhn. nauk; CHERNETSKIY, N.S., inzh.; PROKHOROV, S.A., inzh.

Temperature regime of the front packing bushings in the IMZ-series high pressure turbine under operating conditions. Teploenergetika 6 no.12:30-38 D '59. (MIRA 13:3)

1. Vsesoyuznyy teplotekhnicheskiy institut. (Steam turbines)

CHERNETSKIY, N.S., kand. tekhn. nauk; PETROSYAN, R.A.; LEYZEROVICH, A.Sh., inzh.; VOLKOV, I.I.

Determination of technical and economic indices of the operation of a 200 Mw. block using a control computer. Teploenergetika 11 no.7:20-24 Jl 164. (MIRA 17:8)

1. Vsesoyuznyy teplotekhnicheskiy institut.

CHERNETSKIY, N.S.

Reasons for using two-about tarefnes with different shaft velocities. Energetik 12 no.10:26.27 0 164. (MIRE 17:11) heasons for using two-shaft tarbines with different engular

CHERNETSKIY, N.M. (Khar'kov)

Determining the simplicity of some geometrical constructions.

Mat.v shkole no.5:30-36 S-0 '62. (MIRA 15:12)

(Geometry, Plane—Problems, exercises, etc.)

CHERNETSKIY, N. S.

Cand Tech Sci - (diss) "Study of starting processes of steam high-pressure turbines." Moscow, 1961. 26 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Lenin Power Inst); 150 copies; free; (KL, 6-61 sup, 227)

CHERNETSKIY, O.Ye.

Organization and analysis of the work of a first aid station.

Zdrav. Ros. Feder. 5 no.1:31-33 Ja '61. (MIRA 14:1)

1. Glavnyy wrach Belokalitvenskoy rayonnoy bol'nitsy. (BELAYA KALITVA-FIRST AID IN ILLNESS AND INJURY)

CHERNETSKIY, O.Ye.; MILOVANOVA, A.Kh.

Statistical reports of the medical and obstetrical station.
Zdravookhranenie 6 no.3:14-17 My-Je 63 (MIRA 16:11)

1. Glavnyy vrach Belokalitvenskoy rayonnoy bol'nitsy, Rostovskaya oblast' (for Chernetskiy). 2. Rayonnyy pediatr Belokalitvenskogo rayona, Rostovskaya oblast' (for Milovanova).

*

CHERNETSKIY, O. Ye. (Belaya Kalitva)

Organization of work for the reduction of abortions. Sov. zdrav. 20 no.6:20-22 '61. (MIRA 14:7)

l. Glavnyy vrach Belokalitvenskoy rayonnoy bol'nitsy. (ABORTION)

CHERNETSKIY, O.Ye. (Belaya Kalitva)

Work of a district hospital on training of medical personnel by correspondence. Sov. zdrav. 20 no.7:54-58 '61. (MIRA 15:1)

1. Iz Belo-Kalitvinskoy rayonnoy bol'nitsy.
(BELAYA KALITVA DISTRICT_MEDICINE_STUDY AND TEACHING)

CHERNETSKIY, O.Ye.

Work practices in public health establishments in an enlarged rural district. Zdrav.Ros.Fed. 7 no.4:10-11 Ap '63.

(MIRA 16:4)

1. Glavnyy vrach Belokalitvenskoy rayonnoy bol'nitsy Rostovskoy oblasti.

(PUBLIC HEALTH, RURAL)

CHERNETSKIK T. I.

ALICHKIN, S.L.; AGRINSKIY, N.I.; ANDREYEV, G.F.; BAKUMENKO, G.D.;
VORONTSOV, S.M.; VOYSTRIKOV, I.V.; GRADYUSHKO, G.M.; ZYKOV, A.V.
IVANOVTSEV, P.V.; KINBURG, M.Ya.; KOVALEV, P.A.; KOZLOVSKIY, Ye.V.
KORNIYENKO, A.P.; KOLYAKOV, Ya.Ye.; LAKTIONOV, A.M.; LEVADNYY, B.A.
MEDVEDEV, I.D.; NOVIKOV, N.V.; ORLOV, F.M.; OSTROVSKIY, A.A.;
ORTSEV, V.P.; PENIONZHKO, A.M.; POLOZ, D.D.; PRITULIN, P.I.;
PETUKHOVSKIY, A.A.; ROGALEV, G.T.; RYBAK, P.Ya.; SUTYAGIN, G.P.
TUKOV, R.A.; KHAVCHENKO, D.F.; CHERNETSKIY, T.I.; SHPAYER, N.M.
SHUSTOVSKIY, F.A.

Nikolai Vasil'evich Spesivtsev. Veterinariia 35 no.2:96 F '58. (MIRA 11:2) (Spesivtsev, Nikolai Vasil'evich, 1901-1957)

ALEKSANDROV, N.A., veter. vrach; MAKHOV, G.K., veter. vrach; CHERNETSKIY, T.I., veter. vrach

Some characteristics of foot-and-mouth disease in swine. Veterinariia 38 no.7:42-44 Jl '61. (MIRA 16:8)

(Foot-and-mouth disease)
(Swine-Diseases and pests)

CHERNETSKIY, V.D., inah.; CHECHERSKIY, D.M., inch.; ZBARSKIY, S.G., inzh.; SOKOLOV, K.Ye., inzh.;

Complex inoculant for east iron. Mashinostroenie no.3: 25-26 My-Ja '65. (MIRA 18:6)

CHERNETSKIY, V.D., inzh.; YASHEK, L.N., inzh.; VERNIGORA, B.I., inzh.

Production of gears of magnesium cast iron. Mashinostroenie no.1:65-66 Ja-F '64. (MIRA 17:7)

ZUBOV, Vladimir Ivanovich; CHERNETSKIY, V.I., nauchnyy red.; KAZAROV, Yu.S., red.; KOHTOROVICH, A.I., tekhn.red.

[Mathematical methods for investigation of automatic control systems] Matematicheskie metody issledovaniia sistem avtomaticheskogo regulirovaniia. Leningrad, Gos.soiusnoe isd-vo sudostroit, promyshl., 1959. 323 p. (MIRA 12:7)

(Automatic control)

CHERNETSKIY, V.I. (Leningrad)

Interpolation method for the analysis of the precision of automatic control systems with random disturbances. Avtom.i telem. 21 no.4:481-488 Ap '60. (MIRA 13:6)
(Automatic control)

211107

16,4000 (1121, 1132, 1344)

S/024/61/000/002/005/014 E140/E163

AUTHOR:

Chernetskiy, V. I. (Leningrad)

TITLE:

الأحادثاني مو

Determination of probability distribution functions at the output of nonlinear automatic-control systems

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1961, No.2, pp. 85-91

TEXT: In the study of real automatic-control systems non-linear differential equations of random variables are encountered:

$$\frac{dY_{\frac{1}{2}}}{d^{+}} = F_{\frac{1}{2}}(\tau_{0}, Y_{10}, Y_{200000}, Y_{n0}, X_{10}, X_{200000}, X_{m})$$

$$(t = 0, Y_{\frac{1}{2}}(0) = Y_{\frac{1}{2}00}, i = 1, 20000, n)$$
(1.1)

where Y_{20} (t = 1, 2,..., n) are random quantities characterizing the random initial state of the control system; $X_1 = X_1(t)$, $X_2 = X_2(t)$,..., $X_m = X_m(t)$ are random functions of time characterizing fluctuations in the control system, external perturbations and random deviations of the system parameters from the designed values; and Y_1, Y_2, \dots, Y_n are the output Card 1/3

2h407 \$/024/61/000/002/005/014 £140/£163

Determination of probability distribution functions at the output of nonlinear automatio-control systems

coordinates of the control system as functions of time. differential equations are stochastic. For each set of realizations of the random functions X_i and each set of random initial conditions, the set of random functions Y, will have a set of realizations $y_{\underline{1}}(\cdot)$. The $Y_{\underline{1}}$ are termed by the author the solution of Cauchy's problem for the system (1.1) in a probabilistic sense. The procedure followed is to determine experimentally or theoretically the probability characteristics of the random functions X_{ij} and the random initial conditions Y_{ij} O_{ij} and then to determine the probability characteristics of the solution of the system of stochastic differential equations (1,1), In the present paper the problem is solved for a more restricted class of stochastic differential equations, in which the random functions X_1 are substituted to a given approximation by their canonical expansions. The solution is found in the form of successive approximations, for which a proof of convergence is given, but which is found to be rather slow in a numerical example. Card 2/3

214107

S/024/61/000/002/005/014 E140/E163

Determination of grobability distribution functions at the output of nonlinear automatic-control systems

The author therefore concludes with the remark that for given special classes of differential equations it will be necessary to modify the method in order to increase the rate of convergence. Acknowledgements are expressed to Ye.P. Popov for his advice. There are 4 Soviet references.

SUBMITTED: January 16, 1961

Card 3/3

359.95

16.8000 (4102,4002)

5/024/62/000/001/009/013 E140/E435

AUTHORS:

Chernetskiy, V.I., Yusupov, R.M. (Leningrad)

TITLE:

On one type of self-adjusting control system

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye

tekhnicheskikh nauk. Energetika i avtomatika.

no.1, 1962, 158-165

The authors describe a method for constructing an TEXT: optimizing, self-adjusting control system in the absence of full information on the system structure and parameters. In any case, with full information the equations of any real system are so complicated that they are unusable. Simplified equations must These equations are taken as the equations of therefore be used. a model of the real system and the self-adjusting circuits are designed to correct the coefficients of these equations. correction is calculated on the assumption that during the preceding time interval . known disturbances have acted on the controlled process and on the regulator. The calculated coefficients of the model are compared with the current values of the system based on this simplified model and the differences used Card 1/4

On one type ...

S/024/62/000/001/009/013 E140/E435

to correct the latter. To construct the simplified model, the first step is to replace the random factors in the real system equations by their mathematical expectations. This gives a complicated system of equations (high order, presence of nonlinearities, etc). It is the authors' opinion that sufficient information will be obtained for the action of the self-adjusting circuits from a simplified model. This gives the further advantage that the magnitude of computation required will be substantially reduced. The simplified equations are constructed in such a way that each coordinate vector of the control parameters can be isolated in a separate equation, i.e. that the regulator can be constructed of a number of independent channels, one for each of the controlled variables. The investigation is then continued for a single such variable. The equation approximating the real process is then taken as

$$a_n(t)\frac{d^nx}{dt^n} + a_{n-1}(t)\frac{d^{n-1}x}{dt^{n-1}} + \dots + a_0(t)x = \psi_0(t) \qquad t \in [t_0, T]$$
 (5.1)

Card 2/4

S/024/62/000/001/009/013 E140/E435

On one type ...

where \ni is a subscript indicating the model. The authors claim that placing all perturbations etc on the right-hand side of the equation and referring them to the model permits them to be taken into account indirectly, through the values of the parameters $\mathbf{a_i}$, as adjusted by the self-adjustment system. For example, if only some of the $\mathbf{a_i}$ depend substantially on the regulator parameters, the terms containing the others can be brought to the right-hand side

$$a_{m-1}(t) \frac{d^{m-1}x}{dt^{m-1}} + \dots + a_0(t)x = \psi_{\bullet}(t) - \left[a_n^{\bullet}(t) \frac{d^nx}{dt^n} + \dots + a_m^{\bullet}(t) \frac{d^mx}{dt^m}\right]$$
 (3.2)

Then, all deviations of the parameters placed on the right from the values assumed for the model will be taken into account by adjustments on the a_{m-1},\ldots,a_{0} , in the left-hand side. Having measured the values of the x_{1},\dot{x}_{1},x_{1} at times t_{1},t_{2},\ldots,t_{s} on an interval t_{1},t_{s} , taken such that the coefficients a_{1} to sufficient precision can be assumed constant over the interval, Card 3/4

On one type ...

S/024/62/000/001/009/013 E140/E435

a set of s equations is obtained for determining n + 1 unknowns. The interval must be selected not only on the basis of the above consideration but also taking into account the rate of change of the perturbations and the time for measuring and calculation, etc. The authors adopt the criterion of least squares in calculating the ai. To obtain a unique solution of the system of equations the vectors $\mathbf{x}(n)$ must be linearly independent. Where this is not the case, the coefficients $a_n, a_{n-1}, \dots, a_{n-l+1}$ are assumed equal to their model values, and the remaining \hat{L} coefficients calculated. Where $\hat{L}=0$ all coefficients are equal to their model values and no adjustment is made on the system. conclusion, some practical questions of calculation are discussed. Conditions for a least squares criterion minimizing a certain function are found, also an integral form of the equations defining the coefficients of the approximating equations. The authors consider that using their method it will frequently suffice to measure the regulated quantities and their first two derivatives.

SUBMITTED: September 8, 1961

Card 4/4

CHERNETSKIY, V.I. (Leningrad)

Technical and economic approach to the choice of the principal parameters of new automatic control means. Izv. AN SSSR. Tekh. kib. no.4:444-55 Jl-Ag 163. (MIRA 16:11)

KOCHETKOV, Viktor Terent'yevich; POLOVKO, Anatoliy Mikhaylovich; FONOMAREV, Valentin Mikhaylovich. Prinimali uchastiye: MAKAR'YEV, B.M.; CHERNETSKIY, V.I.; PEROVSKIY, B.N., retsenzent; PETROV, F.S., red.

Teoriia sistem teleupravleniia i samonavedeniia raket. Mo-skva, Izd-vo "Nauka," 1964. 536 p. (MIRA 17:6)

ACCESSION NR: AP4028980

s/0280/64/000/0b2/0093/0101

AUTHOR: Kumnetsov, Yu. K. (Leningrad); Sen'chenko, R. P. (Leningrad); Chernetskiy, V. I. (Leningrad)

TITLE: Algorithm of the problem of determining optimum control-system parameters by the gradient method

SOURCE: AN SSSR. Izvestiya. Telmnicheskaya kibernetika, no. 2, 1964, 93-101

TOPIC TAGS: automatic control, nonlinear automatic control, gradient numerical method, automatic control algorithm, numerical method

ABSTRACT: The problem considered is that with a specified control-system structure and specified differential equations describing the motions of the controlled plant, such k1, k2,... kn, parameters of the controller be determined which would ensure a minimum mean-square error. As a rule, the controller-plant system is nonlinear. A numerical "gradient" method is suggested as having the advantage of simplicity over variational methods in solving this problem. Recommendations

Cord 1/2

ACCESSION IR: AP4028980

are given on evaluating the step and selecting the method of integrating the initial set of equations; various methods of evaluating and averaging the basic functional (the control-quality criterion) are examined. The finding of parameters which correspond to the functional extremum is performed by the gradient method. A detailed logical scheme for compiling the numerical-problem algorithm is presented. Orig. art. has: I figure and 35 formulas.

ASSOCIATION: none

SUBMITTED: 15Dec62

DATE ACQ: 30Apr64

ENCL: 00

SUB CODE:

NO REF SOV: 005

OTHER: OOR

Card 2/2

CHERNETSKIY, V.K.

Clinicomorphological characteristics of tumors with bilateral lesions of the optic thalamus. Vop.neirokhir. 28 no.4:15-19
Jl-Ag '64. (NIRA 18:3)

1. Otdel nevrologii (zav. - prof. L.B.Litvak) i laboratoriya patomorfologii (zav. - prof. Kh.N.211 bershteyn) Ukrainskogo nauchno-issledovatel skogo psikhonevrologicheskogo instituta, Khar'kov.

CHERNETSKIY, V.K.

Clinicomorphological characteristics of tumors of the ventrolateral regions of the optic thalamus. Zhur. nevr. i psikh. 64 no.8:1126-1131 '64. (MIRA 17:12)

1. Otdel nevrologii (zaveduyushchiy - prof. L.B. Litvak) i laboratoriya patomorfologii (zaveduyushchiy - prof. Kh.N. Zil'bershteyn) Ukrainskogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta (direktor O.R. Stepanenko), Khar'kov.

NIKITIN, I.P., insh.; DRESNITSA, A.V., insh.; CHERNETSOV, V.M.; KUPRIK, N.F., gornyy tekhnik

T...

Industrial testing of drill bits with an 85 mm diameter for rotary drilling in underground conditions. Vzryv. delo no.51/8: 293-295 '63. (MIRA 16:6)

1. Krivorozhskiy filial Inatitut gornogo dela AN UkrSSR (for Nikitin, Drebnitsa). 2. Rudupravleniye imeni K. Libknekhta (for Chernetse, Kuprik).

(Boring machinery—Testing)

OAGAUZ, F.G., inzh.; NIKTTIN, I.P., inzh.; FEDORENKO, P.I., inzh.; CHERNETSOV, V.M.; KUPRIK, N.F., tekhnik

Practice of carrying out blasting operations in drifting at the K. Mbknekht Mine. Vzryv. delo no.51/8:295-299 63.
(MIRA 16:6)

1. Krovorozhskiy filial Instituta gornogo dela AN UkrSSR
(for Gagaus, Nikitin, Fedorenko). 2. Rudoupravleniye imeni K.
Libknekhta (for Chernetsov, Kuprik).
(Krivoy Rog Basin—Blasting)

507/79-28-7-30/64 AUTHORS: Soborovskiy, L. Z., Gladshteyn, B. M., Kiseleva, M. I.,

Chernetskiy, V. N.

TITLE: Investigation in the Series of Organosulfur Compounds

(Issledovaniye v ryadu organicheskikh soyedineniy sery) I. The Synthesis of the Fluoranhydrides of Alkanesulfo Acids and Their Halogen Derivatives (I. Sintez ftorangidridov al-

kansul'fokislot i ikh galoidoproizvodnykh)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol. 28, Nr 7, pr. 1866-1870

(USSR)

ABSTRACT: The fluoranhydrides of aliphatic sulfo acids are little in-

vestigated. Some of them are of practical value, as, for instance, methane sulfofluoride which is an effective insecticide. In the present paper the authors realized the synthesis of some alkane sulfofluorides and their halogen derivatives (comprising some not yet described in publica-

tions); they do so according to the general scheme

 $\frac{\text{RF, Zn-F}_2}{\text{RSO}_2\text{F.}}$ RSO₂F. The synthesis of the first member, RSO₂C1 -Card 1/3

Investigation in the Series of Organosulfur Compounds. I. The Synthesis of the Fluoranhydrides of Alkanesulfo Acids and Their Halogen Derivatives

of methane sulfofluoride, according to the method by Davis, Dick (Devis, Dik) cannot be carried out. The authors succeeded in obtaining in good yield methane sulfofluoride from methane sulfochloride by the action of potassium fluoride on it; the fluoride could be distilled off by means of steam without any admixtures. The same way the authors synthesized the hitherto unknown n.- and isopropane sulfofluorides, as well as the iodomethane sulfofluoride which could not be obtained according to the method by Davis. Thus the authors synthesized the hitherto unknown fluoranhydrides n-propane-, isopropane-, iodomethane, β -fluorethane-, β -chlorethane-, β -bromethane-, β -nitroethane- and β , β -dichlorethane sulfo acids. It was shown that the heating of the methane-, n.-propane-, isopropane- and iodomethane sulfochlorides with a saturated solution of potassium fluoride and with uninterrupted distillation of the forming sulfofluoride by means of steam represents a convenient preparative method for the synthesis of the above mentioned compounds. There are 14 references, 6 of which are Soviet.

Card 2/3

Investigation in the Series of Organosulfur Compounds. I. The Synthesis of the Fluoranhydrides of Alkanesulfo Acids and Their Halogen Derivatives

SUBMITTED:

Mey 31, 1957

1. Sulfur compounds (Organic) -- Analysis 2. Fluoroanhydrides -- Synthesis 3. Acids -- Synthesis 4. Halogen compounds -- Chemical properties

Card 3/3

AUTHORS:

Soborovskiy, L. Z., Gladshteyn, B. M., Chernetskiy, V. N.

507/79-28-7-31/64

Kiseleva, M. I.

TITLE:

Investigation in the Series of Organic Sulfur Compounds (Issledovaniya v ryadu organicheskikh soyedineniy sery) II. The Synthesis of the Fluoranhydrides of Alkenesulfo Acids

and Their Halogen Derivatives (II. Sintez ftorangidridov

alkensul'fokislot i ikh galoidoproizvodnykh)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol. 28, Nr 7, pr. 1870-1873

(USSR)

ABSTRACT:

Continuing the previous paper (Ref 1) on the effect of potassium fluoride on some alkane sulfochlorides under the convenient preparative production of alkane- and halogenalkane sulfofluorides the authors carried out the investigation of the reaction of potassium fluoride with halogen substituted ethanesulfochlorides; it was found that besides the substitution of the chlorine anhydride by fluorine another dehydration and dehalogenation takes place with unsaturated sulfo chlorides being obtained as final products

Card 1/3

SOV/79-28-7-31/64 Investigations in the Series of Organic Sulfur Compounds. II. The Synthesis of the Fluoranhydrides of Alkenesulfo Acids and Their Halogen Derivatives

> (see scheme 1). The property of potassium fluoride to cleave off the hydrogen halide from two adjacent carbon atoms made it possible to realize the direct transition from the halogen derivatives of alkane sulfochloride to the sulfo fluorides of the unsaturated series in one stage in good yields. Hitherto only one such representative has been known, the vinyl sulfofluoride (Ref 3). This reaction was used for the synthesis of the fluoranhydrides of the unsaturated aliphatic sulfo acids and their halogen derivatives, the constants of which are given in table 1. The halogenalkane sulfochlorides (as given in scheme 2) served as initial products for the synthesis of the sulfofluorides of the unsaturated type and their halogen derivatives, although the yield of the obtained β-chlorethane sulfochloride was small. Concluding it may be said that the vinyl sulfofluoride and the β -chlorovinyl sulfofluoride (in two stereoisomeric forms) were synthesized in the way described. There are 11 references, 4 of which are Soviet.

Card 2/3

SOV/79-28-7-31/64 Investigations in the Series of Organic Sulfur Compounds. II. The Synthesis of the Fluoranhydrides of Alkanesulfo Acids and Their Halogen Derivatives

SUBMITTED: May 31, 1957

1. Sulfur compounds (organic)—Analysis 2. Fluoroanhydrides
—Synthesis 3. Acids—Synthesis 4. Halogen compounds—Chemical
properties 5. Potassium fluoride—Chemical effects

Card 3/3

GLADSHTEYN, B.M.; CHERNETSKIY, V.N.; KISELEVA, M.I.; SOBOROVSKIY, L.Z.

Sulfur organic compounds. Part 3: Properties of haloalkene, alkene and haloalkenesulfofluorides. Zhur. ob. khim. 28 no. 8:2107-2111 Ag '58. (MIRA 11:10)

(Sulfur organic compounds)

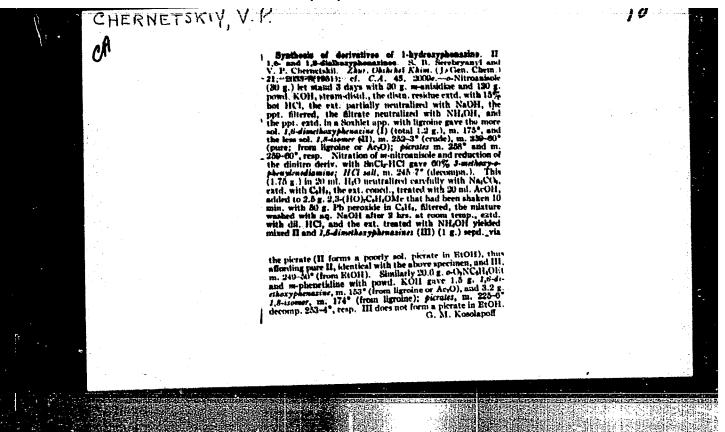
KIPRIANOV, A.I.; SEREBRYANIY, S.B.; CHERRETSKY, V.P.

Structure of iodinine. C.R. Acad. Sci., U.R.S.S., '49, 69, 651-653.

(BA - A II Ja '53:115)

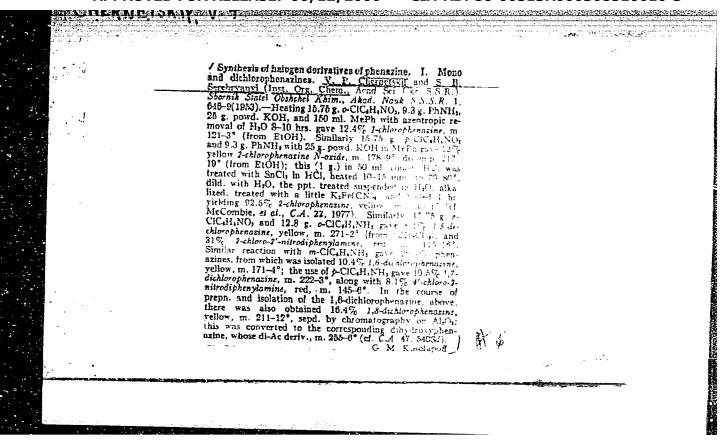
(MIRA 2:11)

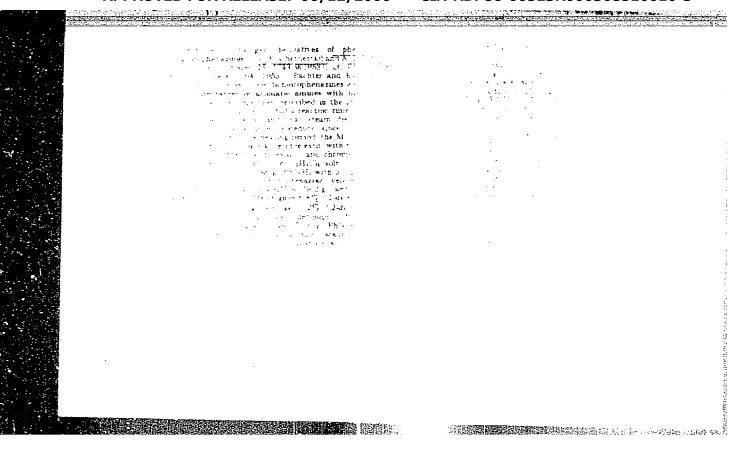
(MIRA 2:11)



- 1. CHERNETSKIY, V. P., KIPRYANOV, A. I.
- 2. USSR(600)
- 4. Phenazines
- 7. Synthesis of N-oxides of phenazine derivatives. Part 1. Mono-N-oxides of alkoxyphenazines. Zhur. ob. khim., 22, No.10, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.





CHERNETSKIY, V. P.

CHERNETSKIY, V. P.- "Synthesis and Investigation of Haloid Derivatives of Phenazin." Acad Sci Ukraine SSR, Inst of Organic Chemistry, Kiev, 1955 (Dissertations for Degree of Candidate of Chemical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

USSR/Chemistry - Organic chemistry

Card 1/1 Pub. 116-16/30

Authora Chernetskiy, V. P., and Kiprianov, A. I.

Title Chlorination of phenazine

Periodical: Ukr. khim. zhur. 21/3, 367-369, June 1955

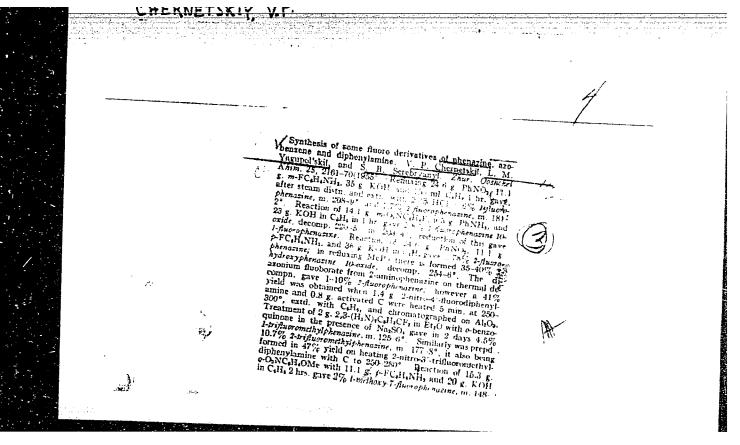
Abstract It is proven experimentally that the chlorination of phenazine with gaseous Cl in carbon tetrachloride leads to the formation of 1-chlorophenazine and

1,4-dichlorophenazine. Chlorination of the phenazine under identical conditions but in the presence of annydrous sodium acetate was found to be a more suitable method for the above ment, her chloro and dichlorogrammatices.

Five references: 2 USSR, 2 Jerman and 1 Italian (1875-1954).

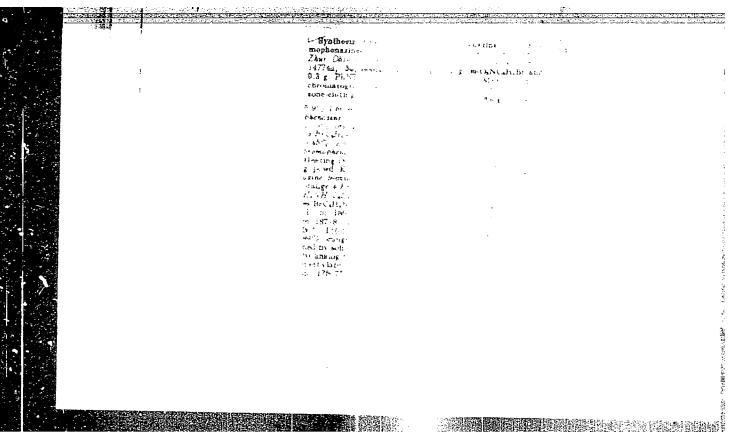
Institution: Acad. of Se., Ukr. SSR, Inst. of Organ. Chem.

Submitted : December 24, 1954

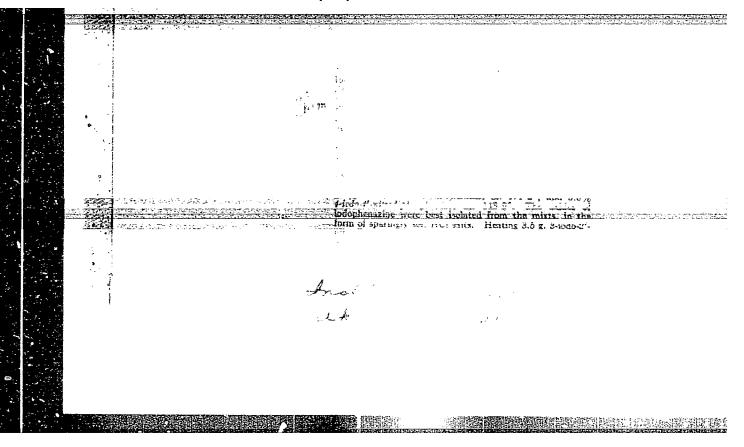


Barkangan Sebelah Barkan Barkan Sandara sebagai sebagai sebagai penggan penggan belanggan sebagai sebagai sebag Barkan penggan belanggan belanggan penggan beranggan penggan penggan penggan belanggan belanggan belanggan pen	وه که منظم بیشت منظم می خود در افساسی منظ مناسبی کا مختصر در این است. از جمله سالم است. افساس که بیشا منظم محمد از این امام می این است که این امام می داده در این این این این از این این این این این این این امام می
V. O. Chernetskii 50° and a trace of 1.7-dimethoxyphonazine. Reacti	on of 9.5 KOH in
C.H. in 20 the save in the same problem. In 1818, do not prove that the same problem. C.Y. C.H. C.H. in the same problem in the miles of Ph.N. in the same present in the miles of Ph.N. in the same present in the miles of the miles of the same problem. In 183, 184, 184, 184, 184, 184, 184, 184, 184	A D. T. To the content of the conte
m. 32-4°.	Jacob Contract Contra
	•

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308510010-3



"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308510010-3



CHERNETSKIY, V.P.

Halogen substitution in haloidphenazine by methoxy-, oxy-, amino- and mercapto - groups. Zhur.ob.khim. 27 no.10:2833-2837 (MIRA 11:4)

THE PROPERTY OF THE PROPERTY O

1.Institut organicheskoy khimii Akademii nauk USSR.
(Phenazine) (Substitution (Chemistry))

NEKRYACH, Ye.F. [Nekriach, IE.F.]; NAZARENKO, Yu.P.; CHERNETSKIY, V.P.

[Chernets'kyi, V.P.]; [Babko, A.K.], akademik, otv.red.;

ROZUM, Yu.S., kand.khim.nauk, red.; FIALKOY, Ya.A. [deceased],

red.; FOMENKO, G.S. [Fomenko, H.S.], kand.khim.nauk, red.;

SHEKA, I.A., prof., doktor khim.nauk, red.; GNATYUK, G.M.

[Hnatiuk, H.M.], red.=leksikograf; POKROVSKAYA, Z.S.

[Pokrovs'ka, Z.S.], red.izd-va; YEFIMOVA, M.I. [IEfimova, M.I.],

tekhn.red.

[Russian-Ukrainian chemical dictionary; 6000 words] Rossis'ko-ukrains'kyi khimichnyi slovnyk; 6000 terminiv. Kyiv, Vyd-vo Akad.nauk URSR, 1959. 204 p. (MIRA 15:5)

1. AN USSR (for Babko). 2. Chlen-korrespondent AN USSR (for Fialkov).

(Chemistry-Dictionaries) (Russian language-Dictionaries-Ukrainian)

BALITSKIY, K.P., kand.med.nauk; VORONTSOVA, A.L.; PRIDATKO, O.Ye.; SEREBRYANYY, S.B., doktor khim.nauk; CHERNETSKIY, V.P., kand.khim.nauk; YURGAROVA,

Anticancerous action of the preparation neocide and some of its fractions. Vrach.delo no.9:927-930 S 159. (MIRA 13:2)

1. Laboratoriya kompensatornykh i zashchitnykh funktsiy (rukovoditel' - akad. AN USSR R.Ye. Kavetskiy) Instituta fiziologii imeni A.A. Bogomol'tsa AN USSR i laboratoriya organicheskogo sinteza (rukovoditel' - akademik AN USSR A.I. Kipriyanov) Instituta organicheskoy khimii AN USSR.

(ETHANE) (CANCER)

CHERNETSKIY, V.P.

Reduction of N-oxides of phenazine and its derivatives. Ukr. khim.zhur. 26 no.1:86-87 60. (MIRA 13:5)

1. Institut organicheskoy khimii AN USSR. (Phenazine)

CHERNETSKIY, V.P.

N-Alkylphenazinones. Part 6: N-Ethylalophenazinones. Ukr. khim. thur. 26 no.4:505-509 160. (MIRA 13:9)

1. Institut organicheskoy khimii Akademii nauk USSR. (Phenazinone)

· · · CHERNETSKIY V. P.

28697

27.2400

\$/021/60/000/012/005/006 D251/D302

AUTHORS:

Horodets'kyy, O.A., Corresponding Member AS UkrSSR, Baraboy, V.A., and Chernets'kyy, V.P.

TITLE:

The therapeutic action of gallic acid derivatives in acute radiation sickness

PERIODICAL:

Akademiya nauk Ukrayins'koyi RSR. Dopovidi,

No. 12, 1960, 1635-1637

TEXT: The authors state the two effects of radiation on proteins und nucleic acids: The indirect effect is the changes in structure and function caused by free-radical reactions following the radiolysis of water, and the direct action is the excitation of the molecules by radiation into a metastable state. The inhibition of these reactions may, therefore, have great significance in preventing and treating radiation sickness. The authors used propyl gallate and sodium gallate as inhibitors. An experiment was carried out on 360 white mice of weight

28697

The therapeutic action ...

S/021/60/000/012/005/006 D251/D302

19-23 gr, subjected to a minimum lethal dose of radiation (600r), and various tests were carried out to determine the effectiveness of the gallates in preventing and curing radiation sickness. It was found that they are effective as a means of preventing radiation sickness, and also of curing it, provided that they are given in large doses immediately siter irradiation. In the case of a dose of 300 mg per 1 kg of sodium gallate, the survival rate is claimed to be almost 50%. If gallates are applied at longer intervals (1 hour) after irradiation, the effect is considerably less. / Abstractor's note: It is difficult to understand how the gallates are applied, since it says merely e.g. "gallate of estimated 100 mg per 1 kg weight" There are 2 tables and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Instytut fiziolohiyi im. A.A. Bohomol'tsa; (Institute of Physiology im. A.A. Bohomolets); Instytut orhanichnoyi khimiyi AN URSR (Institute of Organic Chemistry AS UkrSSR)

SUBMITTED: Card 2/2

July 15, 1960

30369

27.2400

S/205/61/001/005/005/003 D299/D304

AUTHORS 8

A.A. Gorodetskiy, V.A. Baraboy, and V.P. Chernetskiy

TITLE:

31 mg -

The protective action of certain inhibitors of chain oxidation processes with acute radiation sickness

PERIODICAL:

Radiobiologiya, v. 1, no. 4, 1961, 781 - 788

TEXT: One of the most promising ways of counteracting radiation afflictions is to break the chain reaction in one of its initial links. If modern conceptions of the mechanism of protective action are true, compounds capable of fixing active radicals and of lowering the tissues' redox potential will prove to be effective agents in the prophylaxis and treatment of radiation sickness. This applies especially to the group of inhibitors of chain oxidation processes, but the authors could find no published data on the advisability of using these preparations in cases of radiation sickness. Experiments were conducted with white mice and white rats injected intraabdominally with propyl gallate (a 0.75% solution in a phosphate buffer) 30 min before irradiation. Ir-

30369

The protective action of ...

S/205/61/001/005/005/005 D299/D304

radiation was effected with an PYM-3 (RUM-3) and an PYM-11 (RUM-11) apparatus at intensities of 24.5 and 25.4 r/min. The mice were given a dose of 600 r and the rats a dose of 750 r. In its most effective dose of 60 mg/kg of body weight, propyl gallate increased the survival rate of the irradiated animals and extended the average life span of the irradiated mice to 19.6 days (8.8 days in the control series). The injection of propyl gallate also postponed the period of the height of clinical symptoms of acute radiation sickness from 6 - 10th day to 9 - 15th day after irradiation. A polarographic study was made of the action of propyl gallate on the activity of the blood serum proteins, especially the activity of the SH-groups. The inhibitor effect of propyl gallate was expressed in a sharp drop in the activity of the serum proteins' SH-groups which gave them a certain measure of protection against the destructive action of radiation. This also accounted for the more rapid restoration of this activity only 1 - 2 days after irradiation. The author then describes tests conducted with other inhibitors such as: gallic acid, methyl gallate, butyl gallate and sodium gallate. The comparative efficacy of these preparations can be seen from the following table:

Card 2/4

X

30369

The protective action of ...

S/205/61/001/005/005/005 D299/D304

Preparation	No. of mice	No. of survivors	% of survivors	Mean life span (days)
Gallic acid Methyl gallate Propyl gallate Butyl gallate Sodium gallate Control	30	9	30.0	16.5
	30	7	23.3	15.1
	260	112	43.1	19.6
	30	15	50.0	21.0
	30	14	47.0	25.0
	100	2	2.0	8.8

The table shows that sodium gallate, propyl gallate and butyl gallate Card 3/4

The protective action of ...

s/205/61/001/005/005/005 D299/D304

are most promising anti-radiation preparations. There are 5 figures, 1 table and 24 references: 9 Soviet-bloc and 15 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: A.M. Siddiqi, A.L. Tappel, Arch. Biochem, and Biophys., 60, 91, 1956; A.L. Tappel, Food Res., 18, 560, 1953; Th.H. Pritchard, Inds Parfum., 9, 2, 51, 1954; D.B. Johnston, M.W. Foote, W.I. Rogers, J.E. Little, Antibiot. and Chemotherapy, 3, 183, 1953

ASSOCIATION:

Institut fiziologii aim. A.A. Bogomolitsa (Institute of Physiology im. A.A. Bogomolets), Kiyev

SUBMITTED:

January 7, 1961

Card 4/4

CHERNETSKIY V.P.

27.2400

S/021/61/000/006/009/009. D247/D301

AUTHORS:

Gorodets'kyy, O.A., Corresponding Member AS UkrSSR, Baraboyi, V.R., and Chernets'kyy, V.P.

TITLE:

Protective effect of some inhibitors of chain oxidation processes in acute radiation illness

PERIODICAL: Akademiya nauk, Ukrayins'koyi RSR. Dopovidi, no. 6,

TEXT: This experimental investigation was based on the assumption that the destructive processes in living tissues caused by penetrating radiation are similar to those caused by cancer. The authors injected propyl gallate into the peritoneum of albino mice as a not given]. The irradiation was carried out with the RVM apparatus as follows: 180 kW, 10 mA, distance 40 cm, with 0.5 cu and 1.0Al filters, dose intensity 24.5 r/sec, the smallest lethal dose 600 r. 920 mice and 145 rats were tested: The mortality of control ani-

Card 1/4

Protective effect of some ...

S/021/61/000/006/009/009 D247/D301

mals (not subjected to propyl gallate injections) equalled 98 % of mice and 100 % of rats. Propyl gallate was injected 30 minutes before irradiation. After 30 days, in cases where optimal doses of this compound were used [Abstractor's note: Amounts not given], 43 % of irradiated animals were alive, their amount in different experiments varying from 32 to 50 %: in these series 260 mice were injected and 100 served as control ones. The projective effect of propyl gallate treatment was shown by the average mouse life-span of 8.8 days for control animals and 20 days for the injected ones, of 8.8 days for control animals and 20 days for the injected ones, symptoms of acute radiation illness appearing after 6-10 days in the first group and after 9-15 days in the second group. The mortality during the first 10-15 days in both groups was the result of acute radiation illness; later - after 16-30 days - death of the injected animals was due mostly to secondary injections: hysterelisis, pneumonia and intestinal worms, invasion; sometimes these infections were found in animals which survived. In the authors' opinion, a combined therapy with antibiotics could save a greater opinion, a combined therapy with antibiotics could save a greater number of animals. As stated previously, the general amount of nu-

Card 2/4

25168

Protective effect of some ...

s/021/61/000/006/009/009., D247/D301

cleic acids in liver, spleen, mucous intestine membranes and especially in testicles of treated animals was diminished mostly in rapport to RNC (observed on the 3rd day). During the study of sulfohydride and bisulfide activity in the protein groups of blood serum by polarographic analysis, its marked decrease was observed immediately after irradiation, and it was more pronounced in protected animals than in control animals. After 24 hours, however, this activity began to recover. The recovery of the protected animals was much greater than that of the control ones, full recovery being observed in the surviving animals after 16-30 days. Propyl gallate probably protects the active groups of blood serum and speeds their recovery. By comparing the protective effects of propyl gallate and cysteine it was found that they act similarly: 45% of animals survived when these compounds were injected separately into different animals or together into the same ones. The inhibiting effect of gallates depends on the presence of 3 hydroxyls in their rings and their biological effect depends also on their solubility in the body liquids, their velocity of diffusion through

Protective effect of some ...

S/021/61/000/006/009/009 D247/D301

cell membranes etc., all these properties depending on chemical groups attached to the carboxyl group. The author investigated prohibitive properties of gallic acid and of some of its derivatives: the results are tabulated. They found that esters with longest alcohol chains are the most effective ones. Sodium gallate, on account of its high solubility is very effective for it may be quickly absorbed in the bodies of even large animals. In view of the obtained results gallic acid and its derivatives may be regarded of further study. There are 1 table and 8 Soviet-bloc references.

ASSOCIATION: Institut fiziologiy im. 0.0. Bogomoltsya, institut organichnoyi khimiyi AN URSR (Institute of Physiology AS UkrSSR)

SUBMITTED: July 15, 1960

Card 4/4

GORODETSKIY, A.A.; BARABOY, V.A.; CHERNETSKIY, V.P.

Protective effect of some inhibitors of chain oxidation processes during acute radiation sickness. Radiobiologiia 1 no.5:781-788 '61.

l. Institut fiziologii imeni A.A.Bogomol'tsa, Kiyev. (MIRA 14:11)
(RADIATION PROTECTION) (GALLIC ACID)

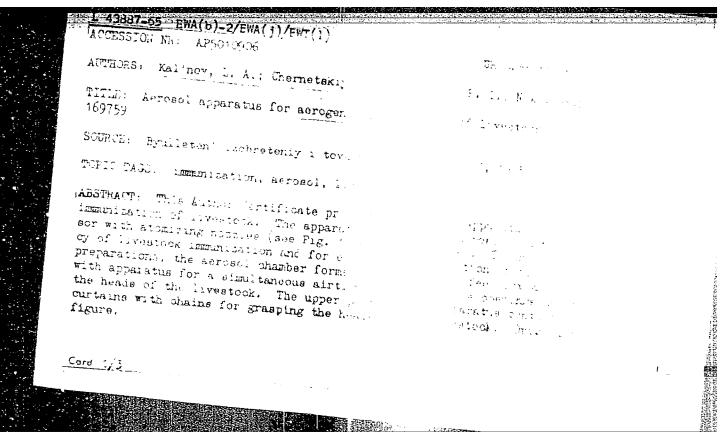
SHORM, F. [SORN, F.], akademik; CHERNETSKIY, V.P.; KHLADEK, S. [HLADEK, S.]; VESELAY, Y.; SMRT, Y.

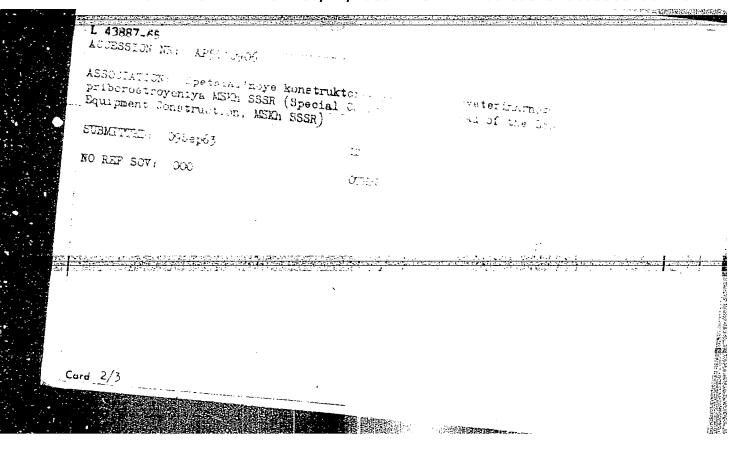
6-Azacytidine andits derivatives. Dokl.AN SSSR 137 no.6:1393-

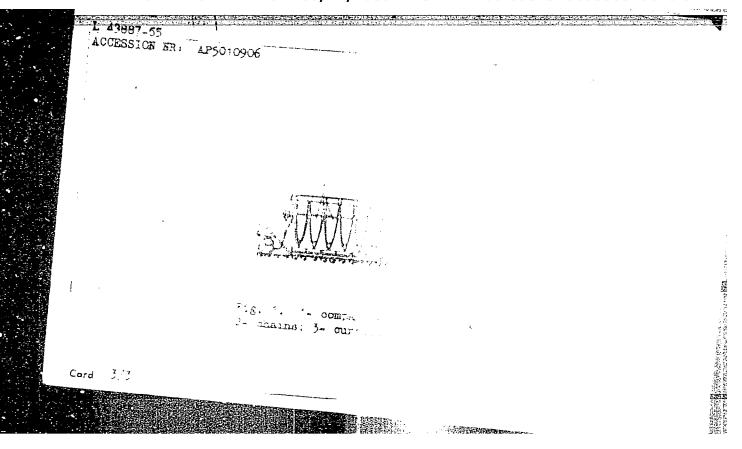
l. Institut organicheskoy khimii i biokhimii AN Chekhoslovatskoy SSR, Praga (for all except Chernetskiy). 2. Institut organicheskoy khimii Akademii nauk USSR, Kiyev (for Chernetskiy).

ROZUM, Yu.S.; SEREBRYANYY, S.B.; KARABAN, Ye.F.; CHERNETSKIY, V.P.; DRONKINA, M.I. Influence of the polar substituents on the reduction potentials of mono- and disubstituted derivatives of phenazine and its N-oxides. Zhur. ob. khim. 34 no.8:2599-2603 Ag 164. (MIRA 17:9)

1. Institut organicheskoy khimii AN UkrSSR.







sov/128-59-11-19/24

18 (5)

Gorfinkel', V.M. and Chernetsov, A.V., Engineers

AUTHORS:

Increasing Cupola Blast Pressure

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 11, pp 42-43 (USSR)

ABSTRACT:

The quantity and buoyancy of blast are the chief factors conditioning the efficiency of a cupola and the quality of its production. However, the values of blast buoyancy vary, for cupolas with a diameter from 75 to 80 cm, from 400 mm to 650 mm of water column. At the Sverdlovsk Turbomotor Plant, a cupola, 80 cm in diameter, had a pressure of 400 mm at the tuyeres. Later on, the cupola was reconstructed and the pressure raised to 650 mm. As a result, the blast was increased by 20% and the cupola output raised from 3.2 tons to 3.7 tons an hour. The cupolas are equipped with forehearths into which oxygen, under pressure of 5-10 atm, is perriodically supplied. The temperature of cast iron was raised from 13300-13700C to 13600-13900C. As a result, the flaw on gas blisters was reduced from 3.3% to 2%

Card 1/2

507/128-59-11-19/24

Increasing Cupola Blast Pressure

and the defects of joints - from 0.44% to 0.3%. There are 2 diagrams and 3 Soviet references.

Card 2/2

ISAKOV, V.A., KHARTOVICH, Yu.I. CHERNETSOV, G.Ye.

Weys of improving the drawing and the haulage of ores in the "Scholthoye" deposit mines. Truly Inst. gor. dels AN Kazakh. 33R 19:45-55 165. (MIRA 18:12)

ACC NR: AP6015713.

(A,N)

BOURCE CODE: UR/4013/66/000/009/0126/0126

INVENTOR: Vasil'yev, D. P.; Vitozhents, E. V.; Chernetsov, I. B.; Rerlin, Y. B.; Mosenkov, V. N.

ORG: None

TITLE: Direct rpm controller for low-power gas turbine engines. Class 46, No. 181448 [announced by the Central Scientific Research and Design Institute of Vehicle and Stationary Engine Fuel Equipment (Tsentral'nyy nauchno-issledovatel'skiy i konstruktorskiy institut toplivnoy apparatury avtotraktornykh i statsionarnykh dvigateley)]

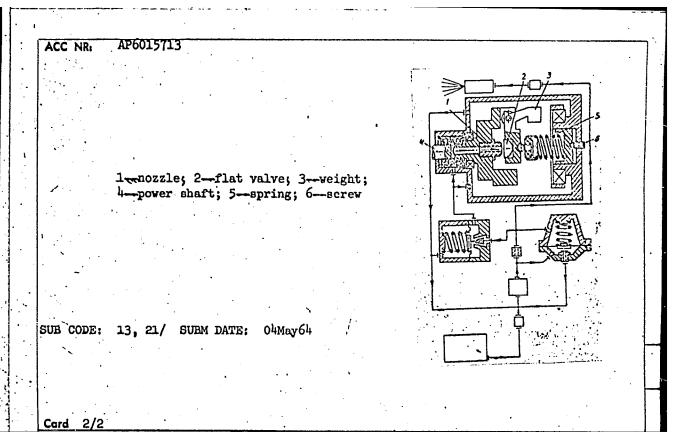
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 126

TOPIC TAGS: speed regulator, gas turbine engine

ABSTRACT: This Author's Certificate introduces: 1. A direct rpm controller for low-power gas turbine engines. The unit contains an actuating mechanism made in the form of a nozzle which interacts with a flat valve located in the arm of a balanced spring-loaded centrifugal weight mounted on the cross connection of the power shaft. Construction is simplified and friction is reduced by locating the nozzle and the fuel channel in the power shaft. 2. A modification of this device which may be adjusted during engine operation by using a spring which acts on a lever and is equipped with a screw for varying tension.

Cord 1/2

UDC; 621,438,531,6,552,9



chernetsov, I. G.

CHERNETSOV, I.G.

Therapeutic Total antireticular cytotoxic serum in peptic and duodenal ulcers. Medych.zhur. 19 no.2:90 '49. (MIRA 10:12)

1. Z terapevtichnoi kliniki Kuybishevs'kogo medichnogo institutu.
(PEPTIC ULCER) (SERUM)

USSR / Human and Animal Morphology (Normal and Pathological). The Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45553.

Author : Chernetsov, I. G. Institute.

Title : Changes of the Intramural Nervous Apparatus in an

Ulcerated Stomach.

Orig Pub: Sb. tr. Kurskiy med. in-t, 1956, vyp. II, 266-269.

Abstract: Near the ulcer, there appear shriveled nerve cells and their nucleii, varicose swellings, fragmentation and disintegration of nerve fibers. At a distance from the ulcer, changes in the nerve apparatus are not pronounced. With the saturation of the organism by thiamine, the appearance of nerve element irritations in the ulcerous region decrease.

Card 1/1

CHERNETSOV I.Q. [CHERNETSOV, I.H.]

Treating ulcers with Bogomolets serum [with summary in English] Fiziol.zhur. [Ukr.] 4 no.3:424-427 My-Je '58 (MIRA 11:7)

1. Kurskiy medichniy institut, kafedra gospital noi terapevtichnoi kliniki.

(PEPTIC ULCER)
(ANTIRETICULAR CYTOTOXIC SERUM)

CHERNETSOV, I.G., dotsent

Case of subacute septic endocarditis in the elderly. Sbor. trud. Kursk. gos. med. inst. no.13:441-442 158. (MIRA 14:3)

CHERNETSOV, I.G., dotsent

Case of undetected diabetes mellitus. Sbor. trud. Kursk. gos. med. inst. no.13:443-444 '58. (MIRA 14:3)

1. Iz gospital'noy terapevticheskoy kliniki (zav. - dotsent I.G. Chernetsov) Kurskogo gosudarstvennogo meditsinskogo instituta.
(DIABETES)

CHERNETSOV, I.G.

Pathogenic activity of thiamine in gastric and duodenal ulcers [with summary in English]. Vop.pit. 18 no.1:41-45 Ja-F 159.

1. Iz gospital'noy terapevticheskoy kliniki (nauchnyy rukovoditel' - prof. F.K. Men'shikov) i kafedry patologicheskoy anatomii (nauchnyy rukovoditel' - prof. A.S. Brumberg) Kurskogo meditsinskogo instituta.

(VITAMIN B1, DEFICIENCY, compl. peptic ulcer (Rus))
(PEPTIC ULCER, etiol. & pathogen. vitamin B1 defic. (Rus))

CHERHETSOV, I.G., dotsent (Kursk)

Medical and prophylactic importance of thianine in peptic ulcer of the stomach and duodenum. Kaz.-med.zhur. 40 no.2:78-79 Mr-Ap 59. (MIRA 12:11) (THIAMINE) (ALIMENTARY CANAL--PEPTIC ULCER)

CHERNETSOV, I.G., dotsent

Difficulties and mistakes in the recognition and treatment of visceral syphilis. Kaz. med. zhur. no. 4:53-54 Jl-Ag '60.

(MIRA 13:8)

1. Iz gospital noy terapevticheskoy kliniki (zav. - dotsent I.G. Chernetsov) Kurskogo meditsinskogo instituta.
(SYPHILIS)

CHERNETSOV, I.G., dotsent

Diseases of the gallbladder; according to data of the therapeutic department of the province clinical hospital. Sbor. trud. Kursk. gos. med. inst. no.16:165-167 '62. (!IRA 17:9)

l. Iz gospital'noy terapevticheskoy kliniki (zav. - prof. A.I. Matosyants) Kurskogo meditsinskogo instituta.

CHERNETSOV, M. M.

CHERNETSOV, M. M. -- "Investigation of the Stability of Lumber under Tension Perpendicular to the Fibers." Min Higher Education USSR Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences).

So.: Knizhnaya Litopis', No. 7, 1956.

CHERNETSOV, M.M., inzhener

Testing wood for its tensile strength across fiber. Der. prom. 6 no.3:17-18 Mr *57. (MLRA 10:5)

×.74;

1. Moskovskiy lesotekhnicheskiy institut. (Wood--Testing)